

Aqueous coating material, process for its preparation,
and its use

Sub A3
Abstract

An aqueous coating material comprising

A) at least one water-soluble or -dispersible polyester, preparable from

a1) a mixture comprising

a11) from 40 to 80 mol% of at least one aliphatic or cycloaliphatic polycarboxylic acid or at least one esterifiable derivative of an aliphatic or cycloaliphatic polycarboxylic acid or a mixture of at least two of these starting products,

a12) from 20 to 60 mol% of at least one aromatic polycarboxylic acid, at least one esterifiable derivative of an aromatic polycarboxylic acid or a mixture of at least two of these starting products;

a2) at least 60 mol% of at least one aliphatic or

cycloaliphatic polyol whose molecule includes at least one structural element $-C(R^1R^2)-CH_2OH$ in which the radicals R^1 and R^2 stand for aliphatic, cycloaliphatic or aromatic hydrocarbon radicals having from 1 to 20 carbon atoms or for methylol groups, or a mixture of at least two of these starting products;

- B) at least one water-soluble or -dispersible polyurethane acrylate,
- C) at least one amino resin which per se or in the presence of ingredients (A) and (B) is water-soluble or -dispersible, and
- D) at least one color and/or effect pigment and/or one filler, and also, if desired,
- E) at least one polyisocyanate;

processes for its preparation, and its use as solid-color topcoat material and aqueous basecoat material, especially as a solid-color topcoat material for the finishing of commercial vehicle bodies.